



What is Air Force Clinical Engineering?

A profession that supports and advances patient care by applying engineering and management skills in an Air Force healthcare environment, both peacetime and war

Typical Job Responsibilities

- Direct medical equipment management programs
 - Perform technology assessments
 - Develop and implement risk-based equipment maintenance programs
 - Evaluate most cost effective medical equipment maintenance alternatives
 - Serve as “owner’s representative” on complex equipment installation projects
 - Integrate medical equipment and information technology
 - Implement leading-edge medical equipment technologies

- Direct healthcare facilities management programs
 - Perform medical facility master planning and budgeting
 - Manage facility construction and renovation projects
 - Conduct design reviews and serve as “owner’s representative”
 - Manage space utilization within the healthcare environment
 - Quality assurance evaluator for facility contractor performance
 - Oversee medical facility operations and maintenance
 - Manage hospital safety, security, and medical/hazardous waste programs

Educational Requirements

- BS or MS degree in engineering from a college or university accredited by the Accreditation Board for Engineering and Technology (ABET). Desired undergraduate engineering disciplines include:
 - Biomedical Engineering
 - Electrical Engineering
 - Civil Engineering
 - Mechanical Engineering
 - Industrial/Systems Engineering

Other Qualifications

- Be a citizen of the United States
- Meet specific age requirements
- Complete GRE or GMAT
- Be in good physical condition
- Be of good moral character
- Demonstrated leadership abilities

Selection Board

- Air Force clinical engineers are commissioned officers in the Medical Service Corps
- Competition occurs at an annual board held at the Headquarters U.S. Air Force Recruiting Service, normally in the October timeframe of each year
- Selection board fact sheet and applicant information can be found at http://afas.afpc.randolph.af.mil/medical/MSC/MSC_application_info.htm

Entry-Level Training

- If selected for Medical Service Corps, you will attend a 4-week commissioned officer training course at Maxwell Air Force Base in Alabama, followed by an 11-week Health Services Administration course at Sheppard Air Force Base, Texas

Career Advancement Opportunities

- First assignment at an Air Force medical treatment facility
- Subsequent assignments at base level or staff level positions
- Opportunities to maintain specialization in clinical engineering or career broaden into more general health care administration roles, including command positions

Continuing Education Opportunities

- Air Force-Sponsored Masters Degree Program: opportunity to attend graduate school full time at an approved university while maintaining full pay and benefits
- Air Force Education with Industry: opportunity to complete a fellowship with leading civilian health care firms
- Air Force specialized short courses and symposia
- Conferences conducted by recognized professional organizations such as the American Society for Healthcare Engineering, American Association for Medical Instrumentation, American College of Clinical Engineering, and the American College of Healthcare Executives
- Professional Military Education, to include Squadron Officers' School, Air Command and Staff College, and Air War College

Pay and Promotions

- Pay chart for officers available at <http://www.dfas.mil/money/milpay/index.htm>
- Constructive credit for those entering with a Masters Degree
- Longevity pay raises every 2 years plus an annual inflation adjustment
- Excellent military retirement plan

Is Air Force Clinical Engineering Right for Me?

- Clinical Engineering in the Air Force is an applied engineering discipline requiring problem-solving and systems-thinking skills
- Candidates must possess excellent leadership, management, and interpersonal skills and a desire to serve in supervisory and leadership roles
- Situations may arise for deployment overseas to meet peacetime contingency or wartime requirements

For More Information

- Air Force Clinical Engineering home page at <http://afml.ft-detrick.af.mil/afmlo/CE.htm>
- Air Force Medical Service Corps home page at <http://sg-www.satx.disa.mil/sgwa/>
- Air Force Recruiting home page at <http://www.airforce.com/>
- Air Force home page at <http://www.af.mil>

Questions?

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